

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1285181

Luminaire Tested: P3AS13R45B2750DE010 E3CD1MB\_5000K

Issue Date: 1/30/2026

**Test Information**

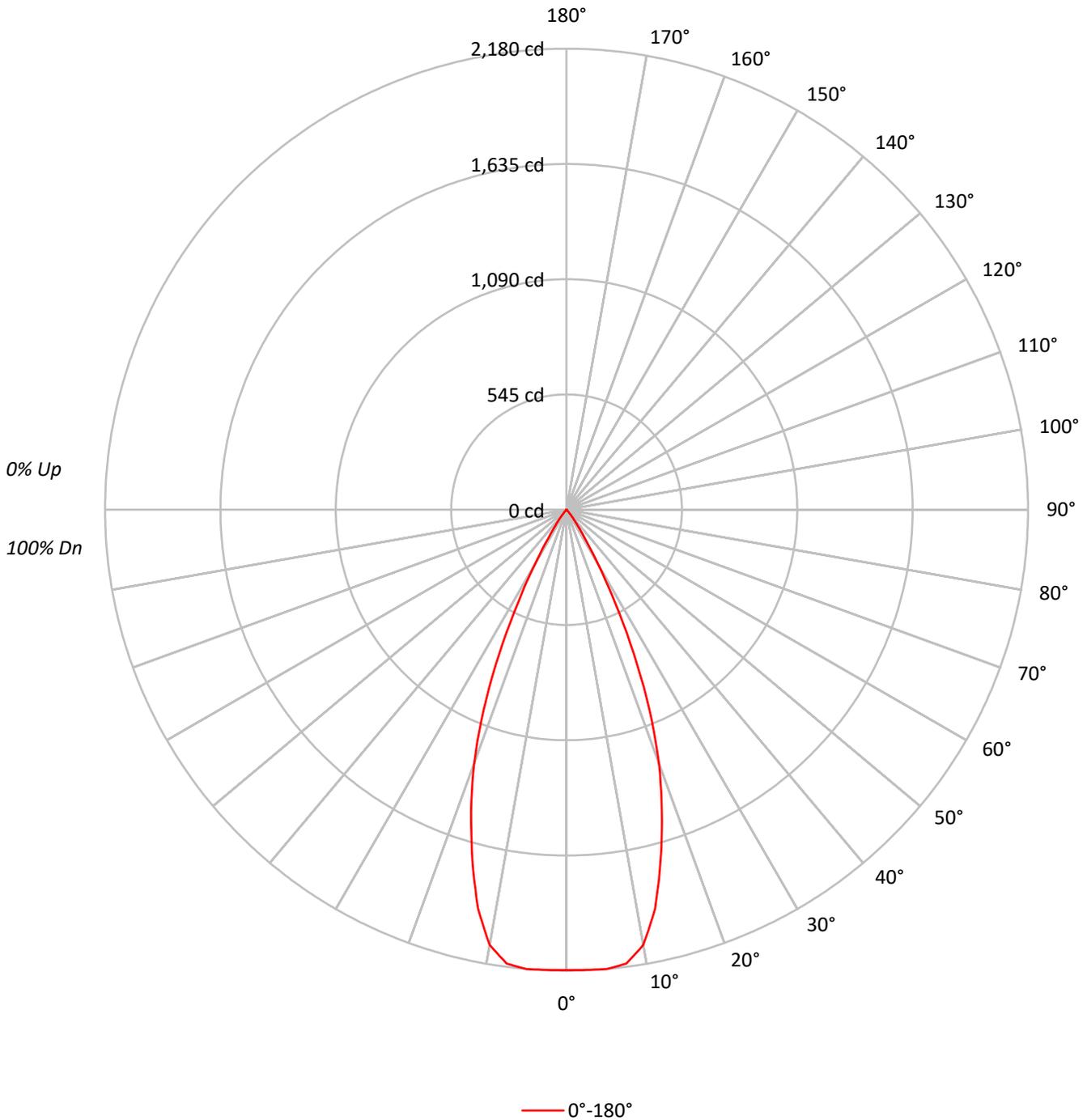
Test Method: LM-79-2019  
Report Number: P1285181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R45B2750DE010 E3CD1MB\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1101.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	477352
5°	479880
10°	465144
15°	389787
20°	297969
25°	181390
30°	75480
35°	24173
40°	7528
45°	1520
50°	1126
55°	1262
60°	1096
65°	1297
70°	1026
75°	1356
80°	1010
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1520 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.6	18.7
10°-20°	471.9	42.9
20°-30°	339.8	30.9
30°-40°	70.7	6.4
40°-50°	6.5	0.6
50°-60°	2.7	0.2
60°-70°	2.1	0.2
70°-80°	1.4	0.1
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1017.3	92.4
0°-40°	1088.0	98.8
0°-60°	1097.1	99.7
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2177	
5°	2180	206
15°	1717	472
25°	750	340
35°	90	71
45°	5	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2176.9
2.5°	2177.7
5°	2180.1
7.5°	2164.5
10°	2089.0
12.5°	1931.3
15°	1717.0
17.5°	1497.8
20°	1276.9
22.5°	1023.1
25°	749.7
27.5°	494.3
30°	298.1
32.5°	166.7
35°	90.3
37.5°	50.9
40°	26.3
42.5°	11.5
45°	4.9
47.5°	3.3
50°	3.3
52.5°	3.3
55°	3.3
57.5°	2.5
60°	2.5
62.5°	2.5
65°	2.5
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)